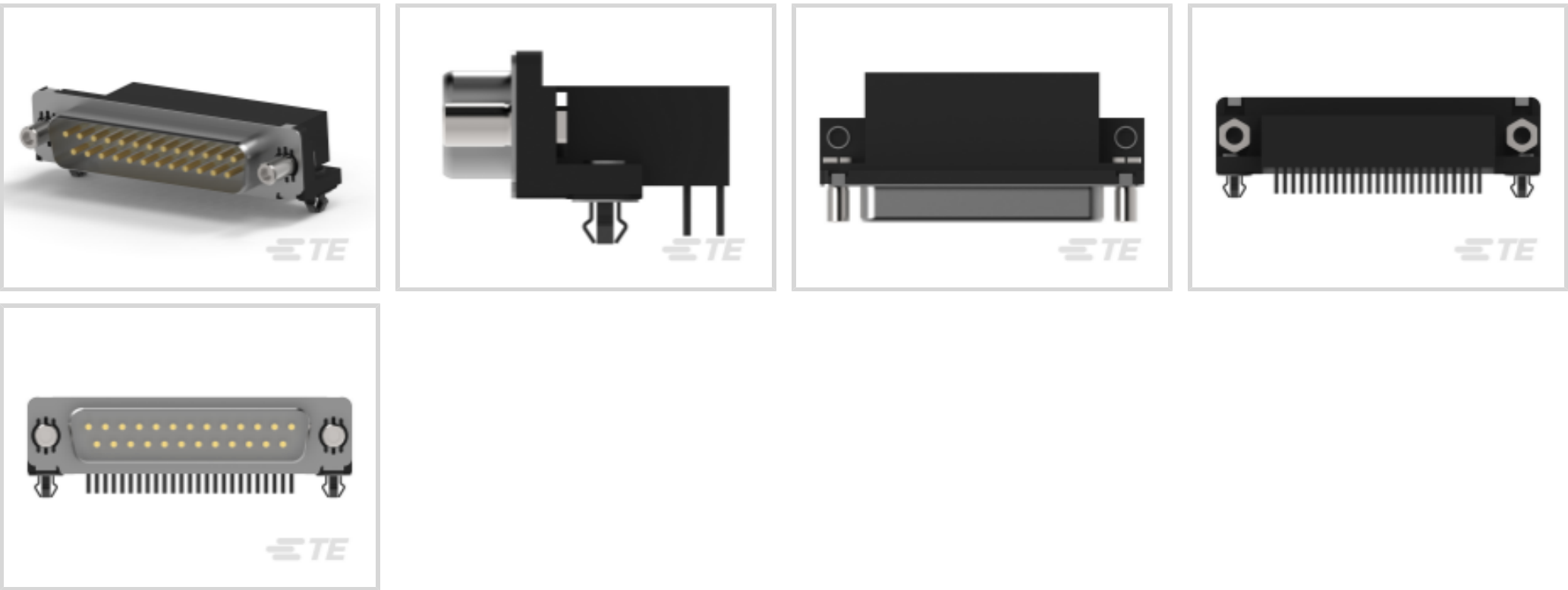




Connectors > D-Shaped Connectors > D-Sub Connectors > PCB D-Sub Connectors >

D-Sub Plug Assembly: Standard, Right Angle, Shell Size 3, 2.74mm



Connector & Housing Type: Plug

Connector System: Board-to-Board

Number of Positions: 25

Centerline (Pitch): 2.74 mm [.108 in ]

Number of Rows: 2

[All D-Sub Plug Assembly: Standard, Right Angle, Shell Size 3, 2.74mm \(39\)](#)

Features

Product Type Features

|                                   |                       |
|-----------------------------------|-----------------------|
| Grounding Indents                 | With                  |
| Grounded                          | Yes                   |
| Grounding Straps                  | With                  |
| Footprint                         | 14.99 mm[.59 in]      |
| Shell Type                        | Front Metal Shell     |
| Connector & Housing Type          | Plug                  |
| Connector System                  | Board-to-Board        |
| D-Sub Shell Size                  | 3                     |
| Sealable                          | No                    |
| Connector & Contact Terminates To | Printed Circuit Board |
| Shielded                          | No                    |
| Product Type                      | Connector             |



Configuration Features

|                       |             |
|-----------------------|-------------|
| Number of Positions   | 25          |
| Number of Rows        | 2           |
| PCB Mount Orientation | Right Angle |
| Preloaded             | Yes         |

Body Features

|                         |                 |
|-------------------------|-----------------|
| Eyelet Material         | Brass           |
| Eyelet Plating Material | Tin             |
| Plastic                 | No              |
| Insert Material         | Zinc            |
| Connector Profile       | Standard        |
| Shell Plating Material  | Tin             |
| Shell Material          | Carbon Steel    |
| Post Size               | .66 mm[.026 in] |

Contact Features

|                                               |                                        |
|-----------------------------------------------|----------------------------------------|
| Contact Mating Area Plating Material          | Gold, Gold Flash over Palladium Nickel |
| Contact Underplating Material                 | Nickel, Palladium Nickel               |
| PCB Contact Termination Area Plating Material | Tin                                    |
| Contact Base Material                         | Brass                                  |
| Contact Shape & Form                          | Round                                  |
| Contact Current Rating (Max)                  | 6 A                                    |
|                                               | 30 µin                                 |

Termination Features

|                                             |                       |
|---------------------------------------------|-----------------------|
| Grounding Clips                             | Without               |
| Termination Method to Printed Circuit Board | Through Hole - Solder |
| Termination Post Length                     | 3.18 mm[.125 in]      |

Mechanical Attachment

|                                  |                |
|----------------------------------|----------------|
| Threaded Insert Material         | Zinc           |
| Threaded Insert Plating Material | Clear Chromate |
| Panel Mount Feature              | Without        |
| PCB Mount Retention              | With           |
| PCB Mount Retention Type         | Boardlock      |



|                            |                             |
|----------------------------|-----------------------------|
| Mating Retention           | With                        |
| Mating Retention Type      | Female Screwlocks, 4-40 UNC |
| Connector Mounting Type    | Board Mount                 |
| Boardlock Plating Material | Tin                         |
| Boardlock Material         | Copper Alloy                |
| Mounting Hole Diameter     | 3.18 mm[.125 in]            |

Housing Features

|                    |                        |
|--------------------|------------------------|
| Centerline (Pitch) | 2.74 mm[.108 in]       |
| Housing Material   | Nylon GF, Polyester GF |
| Housing Color      | Black                  |

Dimensions

|                             |                  |
|-----------------------------|------------------|
| Row-to-Row Spacing          | 2.84 mm[.112 in] |
| PCB Thickness (Recommended) | 1.57 mm[.062 in] |

Usage Conditions

|                             |                            |
|-----------------------------|----------------------------|
| Operating Temperature Range | -55 – 105 °C[-67 – 221 °F] |
|-----------------------------|----------------------------|

Operation/Application

|                     |        |
|---------------------|--------|
| Circuit Application | Signal |
|---------------------|--------|

Industry Standards

|                        |          |
|------------------------|----------|
| UL Flammability Rating | UL 94V-0 |
|------------------------|----------|

Packaging Features

|                    |      |
|--------------------|------|
| Packaging Method   | Tube |
| Packaging Quantity | 10   |

Other

|         |                                                         |
|---------|---------------------------------------------------------|
| Comment | Plugs are preloaded with size 20 DF posted pin contacts |
|---------|---------------------------------------------------------|

Product Compliance

For compliance documentation, visit the product page on TE.com>

|                                               |                                              |
|-----------------------------------------------|----------------------------------------------|
| EU RoHS Directive 2011/65/EU                  | Compliant                                    |
| EU ELV Directive 2000/53/EC                   | Compliant                                    |
| China RoHS 2 Directive MIIT Order No 32, 2016 | No Restricted Materials Above Threshold      |
| EU REACH Regulation (EC) No. 1907/2006        | Current ECHA Candidate List: JUNE 2022 (224) |





Candidate List Declared Against: JUNE 2022 (224)  
Does not contain REACH SVHC

|                           |                                                        |
|---------------------------|--------------------------------------------------------|
| Halogen Content           | BFR/CFR/PVC Free, but Br/Cl >900 ppm in other sources. |
| Solder Process Capability | Wave solder capable to 265°C                           |

Product Compliance Disclaimer

This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight in homogenous materials for lead, hexavalent chromium, mercury, PBB, PBDE, DBP, BBP, DEHP, DIBP, and 0.01% for cadmium, or qualify for an exemption to these limits as defined in the Annexes of Directive 2011/65/EU (RoHS2). Finished electrical and electronic equipment products will be CE marked as required by Directive 2011/65/EU. Components may not be CE marked. Additionally, the part numbers that TE has identified as EU ELV compliant have a maximum concentration of 0.1% by weight in homogenous materials for lead, hexavalent chromium, and mercury, and 0.01% for cadmium, or qualify for an exemption to these limits as defined in the Annexes of Directive 2000/53/EC (ELV). Regarding the REACH Regulation, the information TE provides on SVHC in articles for this part number is based on the latest European Chemicals Agency (ECHA) 'Guidance on requirements for substances in articles' posted at this URL: <https://echa.europa.eu/guidance-documents/guidance-on-reach>

Compatible Parts

TE Part # CAT-AM7-248H5  
IDC D-Sub: Receptacle Assembly, Wire to Wire, Signal, 2.77 mm

TE Part # CAT-AM7-253  
IDC D-Sub: Receptacle Assembly, Low Profile, Signal, 2.77 mm

TE Part # CAT-AM7-248H6  
IDC D-Sub: Receptacle Kit, Wire to Wire, Signal, 2.74 mm

TE Part # 747548-8  
KIT,RCPT,25P,HDE,SHLD HDWRE

Documents

Product Drawings  
25 MSFL PLUG RA 590 (SL,FM,BL)  
English

CAD Files  
Customer View Model  
ENG\_CVM\_CVM\_5747834-6\_C.2d\_dxf.zip  
English  
3D PDF  
3D  
Customer View Model  
ENG\_CVM\_CVM\_5747834-6\_C.3d\_igs.zip  
English  
Customer View Model  
ENG\_CVM\_CVM\_5747834-6\_C.3d\_stp.zip



English

By downloading the CAD file I accept and agree to the [Terms and Conditions](#) of use.

Datasheets & Catalog Pages  
AMPLIMITE Subminiature D Connectors - Right-Angle Posted Connectors

English

Product Specifications  
Application Specification

English

Product Environmental Compliance  
TE Material Declaration

English

Instruction Sheets  
Instruction Sheet (U.S.)

English

Agency Approvals  
UL Report

English